Applied Mathematics, B.S. Degree (BSAM)

The Bachelor of Science in Applied Mathematics degree can be completed in three years. You can also complete the program in four years if you would like more time or if you would like to double major.

3 Year BSAM Option

	Fall	Spring	Summer
First Year	Methods & Topics in App. Math.I (4) Engineering Calculus I (4) Discrete Math (4) Computer Science I (4) English I (4)	Methods & Topics in App. Math II (4) Engineering Calculus II (4) Engineering Physics I (4) Computer Science II (4) English II (4)	Pre-Coop Work Term (Optional)
Second Year	Multivariable Calculus (4) Differential Equations (4) Eng. Physics II (4) Probability and Statistics (4) Humanities/Social Science (4)	Operations Research (4) Linear Algebra and Matrix Theory (4) Introduction to Numerical Analysis (4) Technical Elective (4) Humanities/Social Science (4)	Cooperative Work Semester I
Third Year	Applied Math Final Year Design I (4) Advanced Statistics (4) Adv. Mathematical Modeling (3) Exposition in Applied Mathematics (I) Humanities/Social Science (4) Technical Elective (4)	Cooperative Work Semester II	Applied Math Final Year Design II (4) Technical Elective (4) Technical Elective (4)q Humanities/Social Science (4) Humanities/Social Science (4)

4 Year BSAM Option

	Fall	Spring	Summer
First Year	Methods & Topics in App. Math.I (4) Engineering Calculus I (4) Computer Science I (4) English I (4)	Methods & Topics in App. Math II (4) Engineering Calculus II (4) Computer Science II (4) English II (4)	
Second Year	Multivariable Calculus (4) Differential Equations (4) Probability and Statistics (4) Humanities/Social Science (4)	Engineering Physics I (4) Operations Research (4) Linear Algebra and Matrix Theory (4) Humanities/Social Science (4)	Pre-Coop Work Term (Optional)
Third Year	Discrete Math (4) Engineering Physics II (4) Humanities/Social Science (4) Advanced Statistics (4)	Humanities/Social Science (4) Introduction to Numerical Analysis (4) Technical Elective (4)	Cooperative Work Semester I
Fourth Year	Applied Math Final Year Design I (4) Adv. Mathematical Modeling (3) Technical Elective (4) Exposition in Applied Math I (1)	Cooperative Work Semester II	Applied Math Final Year Design II (4) Technical Elective (4) Technical Elective (4) Humanities/Social Science (4)

*Both programs are 120 credits. You can complete the program in 3 or 4 years.